

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/826,966A
Source: 1Fw16
Date Processed by STIC: 10/5/06

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/826,966A

DATE: 10/05/2006

TIME: 12:52:41

Input Set : E:\03-465-D SeqListing.txt
 Output Set: N:\CRF4\10052006\J826966A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4 McSwiggen, James
 5 Macejak, Dennis
 6 Morrissey, David
 8 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Gene Expression
 Using
 9 Chemically Modified Short Interfering Nucleic Acid (siNA)
 11 <130> FILE REFERENCE: 400/151 (03-465-D)
 13 <140> CURRENT APPLICATION NUMBER: US 10/826,966A
 14 <141> CURRENT FILING DATE: 2004-04-16
 16 <150> PRIOR APPLICATION NUMBER: US 10/757,803
 17 <151> PRIOR FILING DATE: 2004-01-14
 19 <150> PRIOR APPLICATION NUMBER: US 10/720,448
 20 <151> PRIOR FILING DATE: 2003-11-24
 22 <150> PRIOR APPLICATION NUMBER: US 10/693,059
 23 <151> PRIOR FILING DATE: 2003-10-23
 25 <150> PRIOR APPLICATION NUMBER: US 10/444,853
 26 <151> PRIOR FILING DATE: 2003-05-23
 28 <150> PRIOR APPLICATION NUMBER: US 10/652,791
 29 <151> PRIOR FILING DATE: 2003-08-29
 31 <150> PRIOR APPLICATION NUMBER: US 10/422,704
 32 <151> PRIOR FILING DATE: 2003-04-24
 34 <150> PRIOR APPLICATION NUMBER: US 10/417,012
 35 <151> PRIOR FILING DATE: 2003-04-16
 37 <150> PRIOR APPLICATION NUMBER: US 10/427,160
 38 <151> PRIOR FILING DATE: 2003-04-30
 40 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
 41 <151> PRIOR FILING DATE: 2003-02-20
 43 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028
 44 <151> PRIOR FILING DATE: 2003-02-20
 46 <150> PRIOR APPLICATION NUMBER: US 60/358,580
 47 <151> PRIOR FILING DATE: 2002-02-20
 49 <150> PRIOR APPLICATION NUMBER: US 60/363,124
 50 <151> PRIOR FILING DATE: 2002-03-11
 52 <150> PRIOR APPLICATION NUMBER: US 60/386,782
 53 <151> PRIOR FILING DATE: 2002-06-06
 55 <150> PRIOR APPLICATION NUMBER: US 60/406,784
 56 <151> PRIOR FILING DATE: 2002-08-29
 58 <150> PRIOR APPLICATION NUMBER: US 60/408,378
 59 <151> PRIOR FILING DATE: 2002-09-05
 61 <150> PRIOR APPLICATION NUMBER: US 60/409,293
 62 <151> PRIOR FILING DATE: 2002-09-09
 64 <150> PRIOR APPLICATION NUMBER: US 60/440,129
 65 <151> PRIOR FILING DATE: 2003-01-15

See P.S.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/826,966A

DATE: 10/05/2006

TIME: 12:52:41

Input Set : E:\03-465-D SeqListing.txt
Output Set: N:\CRF4\10052006\J826966A.raw

67 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876
68 <151> PRIOR FILING DATE: 2002-05-17
70 <160> NUMBER OF SEQ ID NOS: 674
72 <170> SOFTWARE: PatentIn version 3.3
74 <210> SEQ ID NO: 1
75 <211> LENGTH: 21
76 <212> TYPE: RNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <222> LOCATION: (1)..(1)
86 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
88 <220> FEATURE:
89 <221> NAME/KEY: misc_feature
90 <222> LOCATION: (21)..(21)
91 <223> OTHER INFORMATION: 3'-5 attached terminal deoxyabasic moeity
93 <400> SEQUENCE: 1
94 uaaccucgua cuggugccuc c 21
97 <210> SEQ ID NO: 2
98 <211> LENGTH: 21
99 <212> TYPE: RNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
106 <220> FEATURE:
107 <221> NAME/KEY: misc_feature
108 <222> LOCATION: (1)..(1)
109 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <222> LOCATION: (21)..(21)
114 <223> OTHER INFORMATION: 3'-5 attached terminal deoxyabasic moeity
116 <400> SEQUENCE: 2
117 ggaggcacca guacgagguu a 21
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 21
122 <212> TYPE: RNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (1)..(1)
132 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (21)..(21)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/826,966A

DATE: 10/05/2006

TIME: 12:52:41

Input Set : E:\03-465-D SeqListing.txt
Output Set: N:\CRF4\10052006\J826966A.raw

137 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
139 <400> SEQUENCE: 3
140 aaacuccaaag auccccaaua a 21
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 21
145 <212> TYPE: RNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <222> LOCATION: (1)..(1)
155 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <222> LOCATION: (21)..(21)
160 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
162 <400> SEQUENCE: 4
163 ugauuggggga ucuugggaguu u 21
166 <210> SEQ ID NO: 5
167 <211> LENGTH: 21
168 <212> TYPE: RNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (1)..(1)
178 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (21)..(21)
183 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
185 <400> SEQUENCE: 5
186 guuggagucu guaggacuug g 21
189 <210> SEQ ID NO: 6
190 <211> LENGTH: 21
191 <212> TYPE: RNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (1)..(1)
201 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (21)..(21)
206 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity

RAW SEQUENCE LISTING DATE: 10/05/2006
PATENT APPLICATION: US/10/826,966A TIME: 12:52:41

Input Set : E:\03-465-D SeqListing.txt
Output Set: N:\CRF4\10052006\J826966A.raw

208 <400> SEQUENCE: 6
209 ccaaguccua cagacuccaa c 21
212 <210> SEQ ID NO: 7
213 <211> LENGTH: 21
214 <212> TYPE: RNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)..(1)
224 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
226 <220> FEATURE:
227 <221> NAME/KEY: misc_feature
228 <222> LOCATION: (21)..(21)
229 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
231 <400> SEQUENCE: 7
232 gcaaaaaccc ugugauuucc u 21
235 <210> SEQ ID NC: 8 ..
236 <211> LENGTH: 21
237 <212> TYPE: RNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (1)..(1)
247 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (21)..(21)
252 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
254 <400> SEQUENCE: 8
255 aggaaaucac aggguuuuug c 21
258 <210> SEQ ID NO: 9
259 <211> LENGTH: 21
260 <212> TYPE: RNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (1)..(1)
270 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: (21)..(21)
275 <223> OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
277 <400> SEQUENCE: 9

RAW SEQUENCE LISTING DATE: 10/05/2006
 PATENT APPLICATION: US/10/826,966A TIME: 12:52:41

Input Set : E:\03-465-D SeqListing.txt
 Output Set: N:\CRF4\10052006\J826966A.raw

```

278 uuggucaguu ucuggcaguu c 21
281 <210> SEQ ID NO: 10
282 <211> LENGTH: 21
283 <212> TYPE: RNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
290 <220> FEATURE:
291 <221> NAME/KEY: misc_feature
292 <222> LOCATION: (1)..(1)
293 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
295 <220> FEATURE:
296 <221> NAME/KEY: misc_feature
297 <222> LOCATION: (21)..(21)
298 <223> OTHER INFORMATION: 3'-5 attached terminal deoxyabasic moeity
300 <400> SEQUENCE: 10
301 gaacugccag aaacugacca a 21
304 <210> SEQ ID NO: 11
305 <211> LENGTH: 21
306 <212> TYPE: RNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA sense region
313 <220> FEATURE:
314 <221> NAME/KEY: misc_feature
315 <222> LOCATION: (1)..(1)
316 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (21)..(21)
321 <223> OTHER INFORMATION: 3'-5 attached terminal deoxyabasic moeity
323 <400> SEQUENCE: 11
324 gguccuuuc uggaucaacc c 21
327 <210> SEQ ID NO: 12
328 <211> LENGTH: 21
329 <212> TYPE: RNA
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
336 <220> FEATURE:
337 <221> NAME/KEY: misc_feature
338 <222> LOCATION: (1)..(1)
339 <223> OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
341 <220> FEATURE:
342 <221> NAME/KEY: misc_feature
343 <222> LOCATION: (21)..(21)
344 <223> OTHER INFORMATION: 3'-5 attached terminal deoxyabasic moeity
346 <400> SEQUENCE: 12
347 ggguugaucc aagaaaggac c 21

```

Use of n and/or Xaa has been detected in the
 Sequence Listing. Review the Sequence Listing
 to ensure a corresponding explanation
 is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

FYI